



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: ZIES ET AL-1 (PCT)
SERIAL NO.: 10/528,536 EXAMINER: R. EDGAR
FILED: March 21, 2005 GROUP: 3745
TITLE: PRODUCTION OF MACHINE PARTS PROVIDED WITH A
MINERAL CASTING

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MAIL STOP: PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R :

Supplemental to the Information Disclosure Statement filed March 21, 2005, Applicants are enclosing Form PTO-1449 and copies of DE 297 23 409, DE 40 12 041 and DE 43 43 547 which were cited in the International Search Report and listed in Applicants' March 21, 2005 Information Disclosure Statement, but which the Examiner indicated he had not considered.

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Although the Examiner indicated that copies of these references had not been received, Applicants believe that these references should have been transmitted by the International Office. In any event, Applicants resubmit them herewith, along with a concise explanation of the relevance of DE 297 23 409 and DE 40 12 041.

With respect to the remaining reference, DE 43 43 547, U.S. Patent No. 5,795,514 also listed on the enclosed Form PTO-1449 is believed to be the English-language equivalent of that reference.

DE 40 12 041 A1 relates to a multi-stage, high-pressure centrifugal pump. The housing of the centrifugal pump consists of cast material that is highly resistant to friction wear, whereby this housing is surrounded by an outer mantle housing. The mantle housing lies against the cast housing that is resistant to friction wear with radial and axial bias. In the case of this high-pressure centrifugal pump of the DE'041 reference, the housing that is resistant to friction wear and the mantle housing are produced as separate parts that are connected with one another only during assembly of the pump. Lining the housing with a mineral casting material by means of casting is nowhere disclosed or suggested.

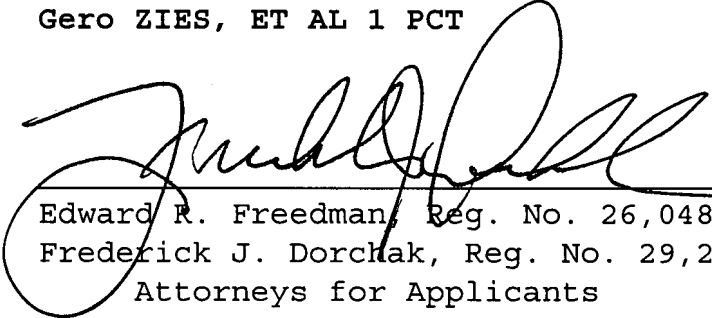
DE 297 23 409 U1 relates to a centrifugal pump for chemically aggressive and/or erosive or abrasive transported media. The pump has an impeller that is disposed within an impeller chamber. The impeller chamber is lined with a cast material that is resistant to abrasion and is surrounded by a mantle housing made of metal. The essential thing in connection with this pump shown in the DE'409 reference is that the mantle housing of the impeller chamber is used as part of the casting mold for the lining. The lining consists of a mineral casting that is cast directly into the mantle housing and remains there without deformation. The use of a parting agent before the casting process is nowhere disclosed or suggested.

It is respectfully submitted that the foregoing Supplemental Information Disclosure Statement (SIDS) be incorporated into the official file of the present patent application. A check in the amount of \$180 is enclosed to cover the fee for filing a Supplemental

IDS and the Commissioner of Patents and Trademarks is hereby authorized to charge any additional fees or to credit any overpayment in connection with this SIDS or due upon said account No. 03-2468.

Respectfully submitted,
Gero ZIES, ET AL 1 PCT

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enclosures: \$180 Check for late submission of Supplemental IDS
Form PTO-1449 with three references

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 23, 2007.



Kelly Espitia

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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. :

ZIES ET AL 1 PCT

SERIAL NO.

10/528,536

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT: Gero ZIES, ET AL.

FILING DATE:

March 21, 2005

GROUP:

3745

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,795,514	08/1998	Düchting, et al. (=DE 43 43 547)			
	AB						
	AC						
	AD						
	AE						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
							YES	NO
	AF	43 43 547 C1	11/1994	GERMANY (=US 5,795,514) (ISR, Spec. P. 1)				
	AG	40 12 041 A1	10/1991	GERMANY (ISR)				
	AH	297 23 409 U1	10/1998	GERMANY (ISR, Spec. pps. 1, 2)				
	AI							
	AJ							
	AK							
	AL							
	AM							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AN		
	AO		

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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